

Converting Colors

$Y_{xy}(19.2330, 0.3975, 0.1963)$

Have a look what the booklet for
Yxy(19.2330, 0.3975, 0.1963)
contains.

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Color

Yxy(19.2332, 0.3979, 0.1965)

Conversions

Conversions Part 1

Format	Color
Hex	E300AA
RGB	227, 0, 170
RGB Percent	89%, 0%, 67%
CMY	0.1096, 1.0000, 0.3333
CMYK	0.00, 1.00, 0.25, 0.11
HSL	315°, 100%, 45%
HSV	315°, 100%, 89%
XYZ	38.9460, 19.2332, 39.6997
YIQ	87.2530, 80.7220, 100.9940

Conversions

Conversions Part 2

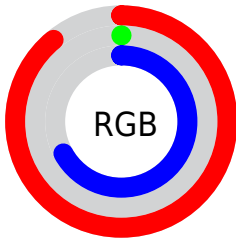
Format	Color
RYB	227, 0, 170
Decimal	14876842
CIELab	50.96, 82.76, -27.43
CIElCh	51, 87.187, 341.660
Yxy	19.2332, 0.3979, 0.1965
Android (android.graphics.Color)	4293066922 (0xFFE300AA)
YUV	87.2530, 40.7943, 122.5581
Hunter-Lab	43.8557, 81.7694, -22.9724

Details

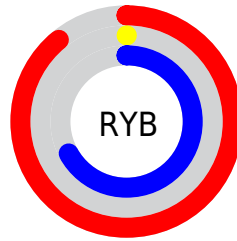
The Yxy color **19.2332, 0.3979, 0.1965** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **55.2580, 0.2923, 0.5724**, and the grayscale version is **9.4890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1167, 0.3482, 0.2067**, and **9.3913, 0.4119, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **19.2411, 0.3979, 0.1966**, and if you desaturate by 10%, it is **20.0628, 0.3880, 0.1956**.

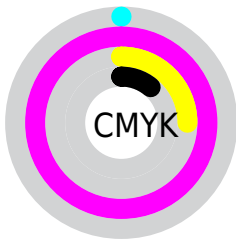
Distribution



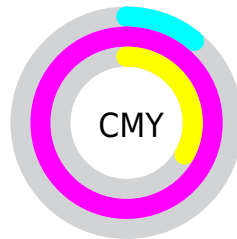
- Red (89%)
- Green (0%)
- Blue (67%)



- Red (89%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2332, 0.3979, 0.1965 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.2332, 0.3979, 0.1965 by changing the saturation by 10% instead.


 19.2332, 0.3979,
0.1965


 19.2332, 0.3979,
0.1965


247.7331, 0.3538,
0.2633


 11.8389, 0.4092,
0.1801

 42.1278, 0.3816,
0.2207

 6.6341, 0.4238,
0.1595


 58.3969, 0.3755,
0.2298


 3.2343, 0.4433,
0.1329


 78.3930, 0.3704,
0.2375

 1.2553, 0.4701,
0.0985

 102.5005, 0.3661,
0.2441

 0.1062, 0.5270,
0.0194

 131.1040, 0.3624,
0.2499

 0.0000, 0.5682,
0.0000

 164.5876, 0.3591,

 0.0000, 1.0000,

0.2549

0.0000

203.3359, 0.3563,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 19.2332, 0.3979,
0.1965

■ 19.2332, 0.3979,
0.1965

■ 19.2411, 0.3979,
0.1966

■ 20.0628, 0.3880,
0.1956

■ 21.5999, 0.3779,
0.1989

■ 24.0793, 0.3676,
0.2070

■ 27.6318, 0.3574,
0.2194

■ 32.3670, 0.3478,
0.2350

■ 38.3812, 0.3390,
0.2528

■ 45.7606, 0.3310,
0.2719

■ 54.5840, 0.3240,
0.2914

■ 64.9242, 0.3179,
0.3106

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.2332, 0.2416, 0.1468



19.2332, 0.3979, 0.1965



19.2332, 0.5544, 0.2680

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.2332, 0.3979, 0.1965



19.2332, 0.4381, 0.5569



19.2332, 0.0860, 0.1949

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.2332, 0.3979, 0.1965



55.2580, 0.2923, 0.5724

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.2332, 0.1106, 0.3334



19.2332, 0.3979, 0.1965



19.2332, 0.3080, 0.6348

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.2332, 0.3979, 0.1965



19.2332, 0.5506, 0.4412



19.2332, 0.1887, 0.5472



19.2332, 0.0976, 0.1386

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.2332, 0.3979, 0.1965



19.2332, 0.6037, 0.3197



19.2332, 0.1887, 0.5472



19.2332, 0.0895, 0.2297

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.2411, 0.3979, 0.1966



59.3438, 0.3311, 0.2715



6.4113, 0.1635, 0.0674



11.7852, 0.3344, 0.2634



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.2411, 0.3979, 0.1966



25.0196, 0.3985, 0.1969



16.6311, 0.5961, 0.3057



14.5501, 0.3176, 0.3116



11.2362, 0.3965, 0.1958



0.8450, 0.3830, 0.1884

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.2411, 0.3979, 0.1966



25.0196, 0.3985, 0.1969



57.8753, 0.2480, 0.4130



14.5501, 0.3176, 0.3116



11.2362, 0.3965, 0.1958



0.8450, 0.3830, 0.1884

Previews

White Background



This preview shows how the Yxy color 19.2332, 0.3979, 0.1965 looks on a white background.

Color Contrast Check

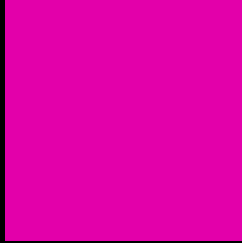
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.2332, 0.3979, 0.1965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

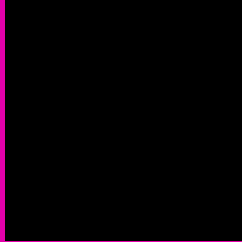
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2332, 0.3979, 0.1965

Background



This preview shows how black text looks on a background with the Yxy color 19.2332, 0.3979, 0.1965.



This preview shows how white text looks on a background with the Yxy color 19.2332, 0.3979, 0.1965.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.2332, 0.3979, 0.1965

Protanopia

20.2088, 0.1821, 0.1547

Deuteranopia

19.8910, 0.2679, 0.2626



Tritanopia

19.5166, 0.5415, 0.3269

Trichromacy



Original Color

19.2332, 0.3979, 0.1965



Protanomaly

13.5715, 0.2130, 0.1335



Deuteranomaly

15.0200, 0.3091, 0.2021



Tritanomaly

18.2980, 0.4992, 0.2719

Monochromacy



Original Color

19.2332, 0.3979, 0.1965



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.4200, 0.3557, 0.2225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2332, 0.3979, 0.1965 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 170) }
```

Border

The CSS property to change the border of an element to Yxy 19.2332, 0.3979, 0.1965 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 0, 170) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(227, 0, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(227, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2332, 0.3979, 0.1965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227, 0,  
170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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